

Work Order ID 125625

Friday, October 17, 2014 7:35:38 AM

125625

Page 1

Item ID: 41228-305-003-012

Accept

N900040100

Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Cavity Assembly

Start Date: 10/17/2014 Start Qty: 5.00

5

Cust Item ID:

Required Date: 10/17/2014 Req'd Qty: 5.00

5

Customer:

Reference:

Approvals: Process Plan: **MUS**

Date: **14-10-17** Tooling:

Date:

Run Start ***NR1***

QC:

Date: SPC (Y/N):

Date:

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr Revision Nbr

41228-305-003

K

100

0.00

100

Purchasing

Memo

0.00

Purchasing

Issue P/O: **26155**
Possible supplier: **GT Southland**

Manufacture 41228-305-003-012 as per dwg

CUT, FORM AND WELD 41228-305-003-005, 41228-305-003-004 AS PER
DWG

C OF C IS REQUIRED

CL 14/10/14 S

110

Receive & Inspect for Damage & Mat'l Certs

0.00

110

Packaging

Memo

0.00

Packaging

5x 8014-11-25

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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Friday, October 17, 2014 7:35:38 AM

125625

Page 2

Item ID: 41228-305-003-012

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Cavity Assembly

Start Date: 10/17/2014 Start Qty: 5.00

5

Cust Item ID:

Required Date: 10/17/2014 Req'd Qty: 5.00

5

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start ***NR1***Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	QC9- Inspect visual per QSI004- Fusion Welds	0.00							DAS 9 9-89
120						(5)	14-12-01		
QC	Memo	0.00							
Quality Control									
130	QC6- Inspect dimensions to drawing	0.00							DAS 38 9-89
130						(5)			
QC	Memo	0.00							
Quality Control									
140		0.00							
140									
SprayPaint	Memo	0.00							
Spray Painting	PRIME AS PER DWG BATCH: _____								

NOV 28 2014

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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Friday, October 17, 2014 7:35:38 AM

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Page 3

Item ID: 41228-305-003-012

Accept

N900040100

Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Cavity Assembly

Start Date: 10/17/2014 Start Qty: 5.00

5

Cust Item ID:

Required Date: 10/17/2014 Req'd Qty: 5.00

5

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start ***NR1***

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
150	QC14- Inspect Spray Paint	0.00							
150									
QC	Memo	0.00							
Quality Control									
160	Identify as per dwg & Stock Location: <u>CA</u>	0.00							
160									
Packaging	Memo	0.00							
Packaging									
170	QC21- Final Inspection - Work Order Release	0.00							
170									
QC	Memo	0.00							
Quality Control									

DAS
86
9-89

DEC 17 2014

14/12/3 J
mf
14-12-03

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
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Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
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Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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Picklist Print

Friday, October 17, 2014 7:35:44 AM

Page 1

Work Order ID: 125625

125625

Parent Item: 41228-305-003-012

41228-305-003-012

Parent Item Name: Cavity Assembly

Start Date: 10/17/2014

Required Date: 10/17/2014

Start Qty: 5.00

Required Qty: 5.00

Comments: IPP REV:A 14.10.08 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
41228-305-003-012P		Purchased	No				Each	0.0000		5			
41228-305-003-012P									**	5x 8p14-11-25			
Cavity Assembly													

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <div style="display: flex; justify-content: space-between;"> <div> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> </div> <div> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> </div> <div> Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> </div> <div> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/> </div> </div>
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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1 2 3 4 5 6 7 8
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF
APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT
THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

NOTES:

- WELD IN ACCORDANCE WITH ERA PROCESS SPECIFICATION No. 4001.
- CANCELLED
- PRIME PER ERA P.S. 4004 USING MIL-P-53022B OR 23377 PRIMER.
- CONTOURS TO MATCH MASTER PATTERN 41228-305-003-003 M.P. & 41228-305-003-004 M.P.
- MATERIAL: 301 SS 1/2 HARD QQ-A-766.

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED TOP VIEW, ADDED NOTE 2 & 3, CHANGED MATERIAL FROM 2024 TO 6061	08-27-93	
B	ADDED NOTE 4	10-25-93	
C	CHANGED RADIUS OF CAVITY EXTENSION	11-05-93	
D	GENERAL UPDATE & ADDED -007 BACK PLATE & -008 TOP PLATE TO L/W & P/D ON SHIT 4	11-22-93	
E	GENERAL UPDATE & CHANGED MATERIAL ON -007 TOP PLATE & -008 BACK PLATE	12-01-93	
F	GENERAL UPDATE & CHANGED MATERIAL	02-24-94	
G	REVISED -008 TOP PLATE & -007 BACK PLATE ADDED NUT PLATES & RIVET P/W TO P/D & L/W	05-24-94	
H	GENERAL UPDATE, REMOVED -006 EXTENSION CHANGED STOCK SIZE ON -003 & -004 CAVITY	12-22-94	
I	INCORPORATED E.D. 1-1.	12-15-95	P.SCHWARTZ
J	INCORPORATED ECH 02965	10-05-10	P.BRAVO
K	INCORPORATED ECH 03007 & 03104	05-10-11	P.BRAVO

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER

NO. 125625ML5
14-10-17

1	7	41228-305-003-011	TOP PLATE			
1	6	41228-305-003-010	BACK PLATE			
12	5	601.3163	RIVET	CCR26455-3-1		
6	4	MS21058L3	NUT PLATE			
1	3	41228-305-003-005	EXTENSION			
1	2	41228-305-003-004	CAVITY			
1	1	41228-305-003-003	CAVITY			
		41228-305-003-012	CAVITY ASSY			
		41228-305-003-009	CAVITY ASSY			
		41228-305-003-008	BACK PLATE ASSY			
		41228-305-003-007	TOP PLATE ASSY			
		41228-305-003-002	ASSY			
		41228-305-003-001	ASSY			
-012	-009	-008	-007	-002	-001	
QTY	REQ'D	FIND No.	PART No.	DESCRIPTION	MAT'L	SPEC
NEXT ASSY(S)			PARTS LIST			
41228-305-005-001			41228-305-005-002			
41228-305-005-002			41228-305-005-003			
41228-305-005-004			41228-305-005-005			
41228-305-005-006			41228-305-005-007			
41228-305-005-008			41228-305-005-009			
41228-305-005-010			41228-305-005-011			
41228-305-005-012			41228-305-005-013			
41228-305-005-014			41228-305-005-015			
41228-305-005-016			41228-305-005-017			
41228-305-005-018			41228-305-005-019			
41228-305-005-020			41228-305-005-021			
41228-305-005-022			41228-305-005-023			
41228-305-005-024			41228-305-005-025			
41228-305-005-026			41228-305-005-027			
41228-305-005-028			41228-305-005-029			
41228-305-005-030			41228-305-005-031			
41228-305-005-032			41228-305-005-033			
41228-305-005-034			41228-305-005-035			
41228-305-005-036			41228-305-005-037			
41228-305-005-038			41228-305-005-039			
41228-305-005-040			41228-305-005-041			
41228-305-005-042			41228-305-005-043			
41228-305-005-044			41228-305-005-045			
41228-305-005-046			41228-305-005-047			
41228-305-005-048			41228-305-005-049			
41228-305-005-050			41228-305-005-051			
41228-305-005-052			41228-305-005-053			
41228-305-005-054			41228-305-005-055			
41228-305-005-056			41228-305-005-057			
41228-305-005-058			41228-305-005-059			
41228-305-005-060			41228-305-005-061			
41228-305-005-062			41228-305-005-063			
41228-305-005-064			41228-305-005-065			
41228-305-005-066			41228-305-005-067			
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41228-305-005-076			41228-305-005-077			
41228-305-005-078			41228-305-005-079			
41228-305-005-080			41228-305-005-081			
41228-305-005-082			41228-305-005-083			
41228-305-005-084			41228-305-005-085			
41228-305-005-086			41228-305-005-087			
41228-305-005-088			41228-305-005-089			
41228-305-005-090			41228-305-005-091			
41228-305-005-092			41228-305-005-093			
41228-305-005-094			41228-305-005-095			
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41228-305-005-100			41228-305-005-101			
41228-305-005-102			41228-305-005-103			
41228-305-005-104			41228-305-005-105			
41228-305-005-106			41228-305-005-107			
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41228-305-005-202			41228-305-005-203			
41228-305-005-204			41228-305-005-205			
41228-305-005-206			41228-305-005			

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41228-305-003-008
TOP PLATE ASSY
TO BE ATTACHED TO CAVITY UPON
INSTALLATION

LUG MOUNTING HOLES
TO BE DRILLED UPON
INSTALLATION

41228-305-003-007
BACK PLATE ASSY
TO BE ATTACHED TO CAVITY UPON
INSTALLATION

CAVITY EXTENSION
41228-305-003-005

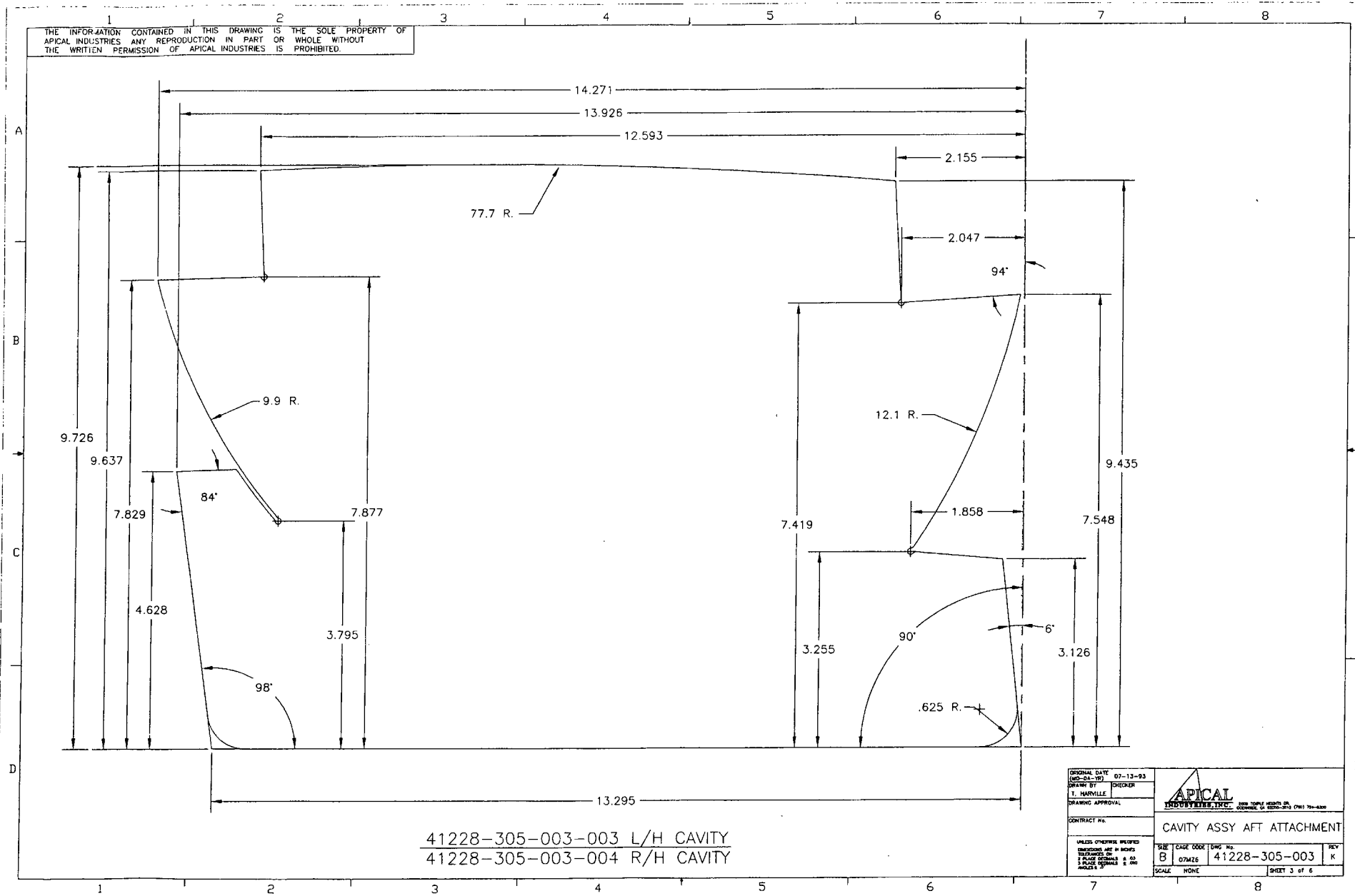
.218 DIA. HOLE TYP.
20 PLCS. HOLES TO BE
DRILLED UPON INSTALLATION
USING A/C FOR TEMPLATE.

41228-305-003-003
L/H CAVITY (SHOWN)
41228-305-003-004
R/H CAVITY (OPPOSITE)

41228-305-003-001 L/H ASSY (SHOWN)
41228-305-003-002 R/H ASSY (OPPOSITE)

ORIGINAL DATE 07-13-93		CHECKED BY T. HAYVILLE	
DESIGNED BY T. HAYVILLE		CONTRACT NO.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 1 DIMENSIONAL ± .01 2 DIMENSIONAL ± .005 ANGLES ± .01		SIZE B	CAGE CODE 07426
DRAWN BY T. HAYVILLE		QWC NO. 41228-305-003	REV K
APICAL INDUSTRIES, INC. 2001 TOWNE SQUARE DR. ANN ARBOR, MI 48106-3011 (734) 764-6300		SCALE NONE	
CAVITY ASSY AFT ATTACHMENT		SHEET 2 OF 6	

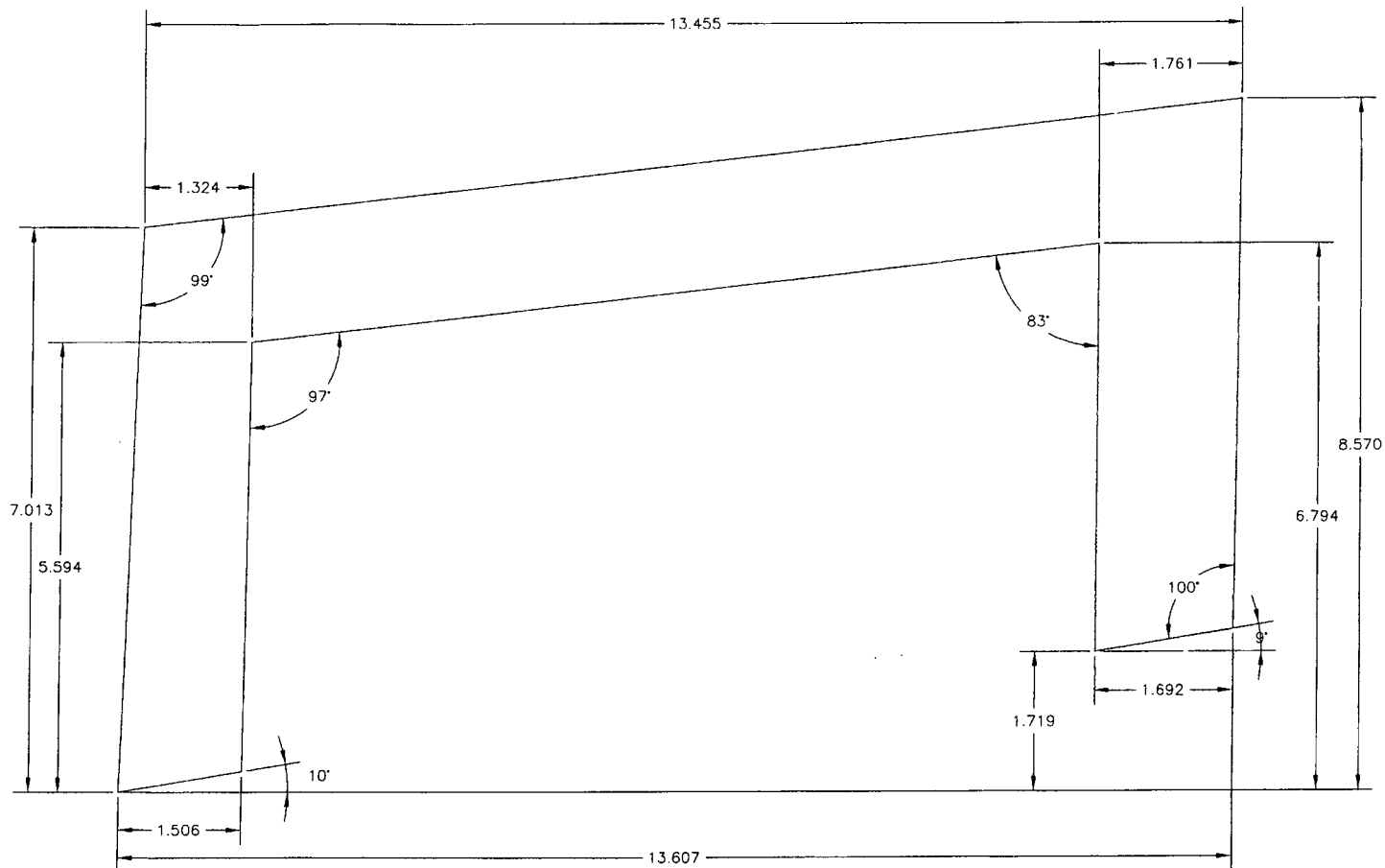
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.




41228-305-003-003 L/H CAVITY
41228-305-003-004 R/H CAVITY

ORIGINAL DATE (DD-MN-YY) 07-13-93		DRAWN BY T. HANVILLE		CHECKER	
DRAWING APPROVAL		CONTRACT No.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS FRACTIONS DECIMALS FRACTIONS DECIMALS					
APICAL INDUSTRIES, INC.		8000 TROUBLE SHOOTER DR. GREENSBORO, NC 27409-1000			
CAVITY ASSY AFT ATTACHMENT					
SHEET	CAGE CODE	QWG No.	REV		
B	07426	41228-305-003	K		
SCALE NONE		SHEET 3 OF 6			

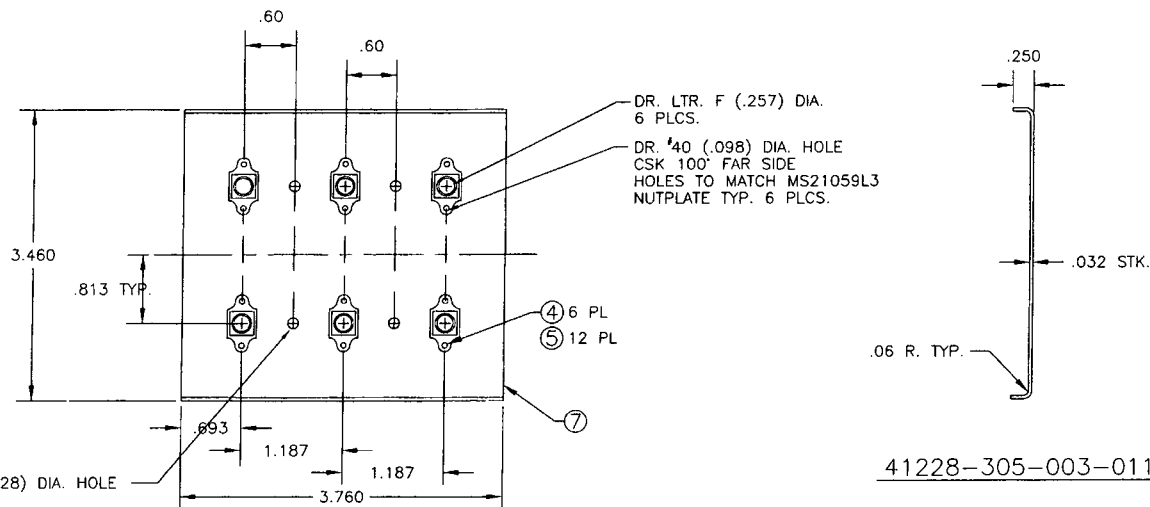
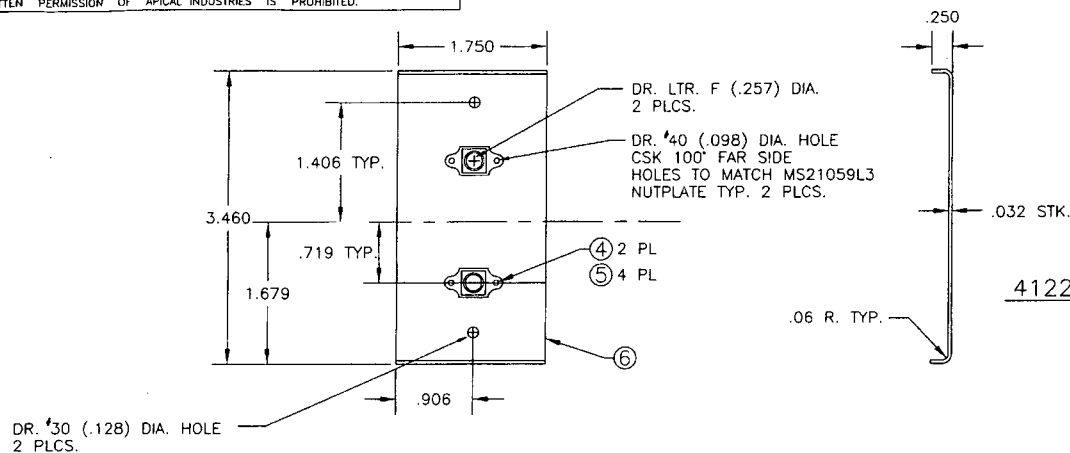
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF
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THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.



41228-305-003-005
EXTENSION

ORIGINAL DATE (DD-MMM-YY)	07-13-93	 <small>NEW TOWNSHIP REPORT ON APICAL INDUSTRIES, INC. 2000-2015 (FNO) 794-0300</small>				
DRAWN BY T. HANVILLE	CHECKER					
INSPECTION APPROVAL		CAVITY ASSY AFT ATTACHMENT				
CONTRACT NO.						
<small>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: 1. PLATE DIMENSIONS ± .01 2. OTHER DIMENSIONS ± .015</small>		<table border="1"> <tr> <td>SIZE / CASE CODE / DWG. NO.</td> <td>REV</td> </tr> <tr> <td>B / 07M26 / 41228-305-003</td> <td>K</td> </tr> </table>	SIZE / CASE CODE / DWG. NO.	REV	B / 07M26 / 41228-305-003	K
SIZE / CASE CODE / DWG. NO.	REV					
B / 07M26 / 41228-305-003	K					
SCALE NONE		SHEET 4 of 6				

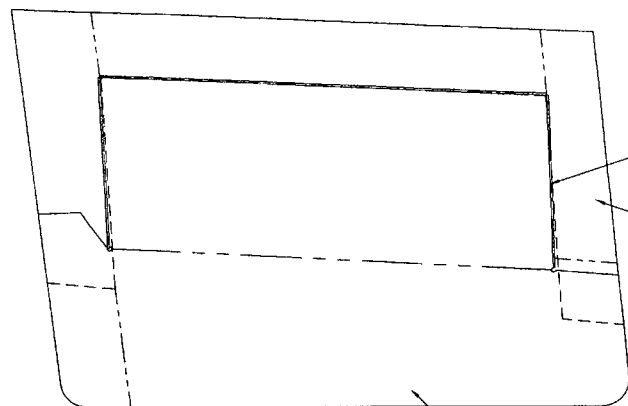
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41228-305-003-011 TOP PLATE

ORIGINAL DATE 07-13-83	 <small>APICAL INDUSTRIES, INC. 1000 NEWPORT AVENUE SUITE 100 NEWPORT NEWS VA 23602-1011 (703) 794-4330</small>	
DRAWN BY T. HARMILLE		
CHECKED BY	CONTRACT NO.	
DRAWING APPROVAL	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES FRACTIONS DECIMALS & ANGLES 3 PLACE DECIMALS 2.000 ANGLES 5	
SIZE CASE CODE DWG. NO. B 07H215 41228-305-003		REV K
SCALE NONE		SHEET 5 OF 6

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF
APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT
THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

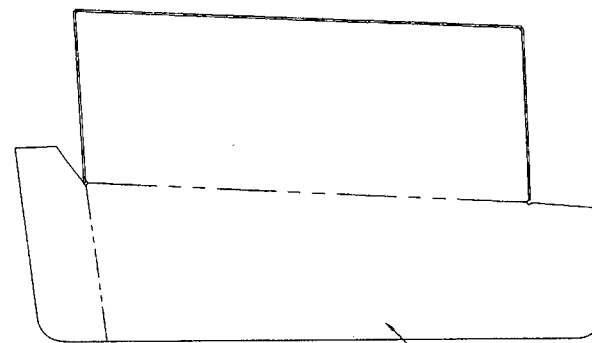


CAVITY EXTENSION
41228-305-003-005

41228-305-003-003
L/H CAVITY (SHOWN)

41228-305-003-009 L/H ASSY (SHOWN)

41228-305-003-012 R/H ASSY (OPPOSITE)



41228-305-003-003
L/H CAVITY (SHOWN)
41228-305-003-004
R/H CAVITY (OPPOSITE)

ORIGINAL DATE 07-13-93	APICAL INDUSTRIES, INC.		NEW TEMPLATE REPORTS BY APICAL INDUSTRIES, INC. (P.O. BOX 111-800)
DRAWN BY T. HARRIS	CHECKED BY []		
DRAWING APPROVAL []			
CONTRACT NO. []			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 1. FRACTIONS 1/16 2. DECIMALS 0.005 3. ANGLES 1/2			
SIZE B	CAGE CODE 07426	DWG. NO. 41228-305-003	REV K
SCALE NONE			SHEET 6 of 6



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO26155

Purchase Order Date 10/17/2014

PO Print Date 10/17/2014

Page Number 1 of 2

Order From :

VU-SOU004

SOUTHLAND FABRICATION
411 INDUSTRIAL WAY
FALLBROOK, CALIFORNIA 92028

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FAKED

Contact Name
Vendor Phone 760-723-4006

Ship To Contact
Ship To Phone
Ship Via: FedEx Overnight collect
Ship Acct:

Buyer
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency USD
FOB Destination-Collect

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extend Pri
1	41228-305-003-009P	Cavity Assembly	11/21/2014 Yes 11/21/2014	FN	5.00 Each	\$650.00	\$3,250.00
MANUFACTURER AS PER DWG 41228-305-003-009 REV.K B125624							
Line Total:							\$3,250.00
2	41228-305-003-012P	Cavity Assembly	11/21/2014 Yes 11/21/2014	FN	5.00 Each	\$650.00	\$3,250.00
MANUFACTURER AS PER DWG 41228-305-003-012 REV.K B125625							
Line Total:							\$3,250.00

8014-11-25

Note:

10/17/2014

SOUTHLAND FABRICATION
411 INDUSTRIAL WAY
FALLBROOK, CA. 92028

PACKING SLIP

No : 00014771

To: Dart Aerospace Ltd
1270 Aberdeen Street

ShipTo: Dart Aerospace Ltd
1270 Aberdeen Street

Hawkesbury, ON K6A 1K7

Hawkesbury

ON K6A 1K7

Ship VIA	P.O. #	FOB	Date	Page
Fed Ex	PO26155	ORIGIN	11/24/2014	1

Quantity	Part Number	Rev	Job #
5	41228-305-003-009 Cavity Assy.	K	00013571
5	41228-305-003-012 Cavity Assembly	K	00013572

8014-11-25

Received By: _____

Date: _____



411 Industrial Way
Fallbrook, CA 92028
Ph: 760-723-4006

Certificate Of Compliance

Date : 11/24/2014

Job No. : 00013571

Customer : Dart Aerospace Ltd

P.O. Number : PO26155

Part Number : 41228-305-003-009 K

Quantity : 5

Description : Cavity Assy.

We hereby certify that all parts and/or material supplied by us have been produced in conformance with all contractually applicable purchaser's specification as referenced in the purchase order and/or drawing(s) supplied.

Date : 11/24/2014

Job No. : 00013572

Customer : Dart Aerospace Ltd

P.O. Number : PO26155

Part Number : 41228-305-003-012 K

Quantity : 5

Description : Cavity Assembly

We hereby certify that all parts and/or material supplied by us have been produced in conformance with all contractually applicable purchaser's specification as referenced in the purchase order and/or drawing(s) supplied.

By:

A handwritten signature in black ink, appearing to be "John", is written over a horizontal line.

Date:

11-24-15

